

22ND ANNUAL PINELANDS SHORT COURSE

Saturday, March 26, 2011

Sponsored by: The New Jersey Pinelands Commission and
Burlington County College's Pinelands Institute for Natural and Environmental Studies (PINES)



**BURLINGTON
COUNTY COLLEGE**

We Can Get You There.



Brochure designed and printed by Burlington County College using recycled paper and soy-based inks.
PHOTO: Hartsville Lake by Joel Mott CS7249 0111M

Burlington County College
Office of Community Enrichment
601 Pemberton Browns Mills Road
Pemberton, NJ 08068-1599

We Can Get You There.

**BURLINGTON
COUNTY COLLEGE**



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Permit No. 29

DIRECTIONS TO BURLINGTON COUNTY COLLEGE, PEMBERTON, NEW JERSEY

FROM THE NORTH

Take New Jersey Turnpike south to Exit 7. Take Route 206 south approximately 9 miles to the intersection with County 530. Turn left and follow 530 through Pemberton to the college.

FROM THE SOUTH AND WEST

Use the Benjamin Franklin Bridge from Philadelphia to New Jersey Route 38 or the Walt Whitman Bridge to Interstate 295. From the south, use the Delaware Memorial Bridge to Interstate 295. Interstate 295 intersects with Route 38. Take Route 38 through Mount Holly. Route 38 becomes County 530 in Vincentown. Follow 530 through Pemberton to the college.

FROM THE EAST

Use Route 72 west to the circle intersecting state Routes 70 and 72. Head toward New Lisbon on Four Mile Rd. (County 646) from the circle until it ends at County 530. Turn left at the water tower. The college is the first driveway on the left.



P.I.N.E.S.
Burlington County College

Mail this form
with payment to:
PINES-BCC
120-13 Whitesbog Road
Browns Mills, NJ 08015

Questions regarding registration?

Please call PINES-BCC at 609.893.1765 or 609.893.1783

Questions regarding content of the Short Course program?

Please call NJ Pinelands Commission
at 609.894.7300, ext.125

UPCOMING EVENTS

PINELANDS HISTORY TOUR

April 2

Traverse portions of the Pinelands on a coach bus with a Burlington County Historian.....\$55pp

ALL DAY TOUR of the PINELANDS

May 7

Visit favorite ecological places in the Pine Barrens via coach bus tour.....\$55pp

For registration and
more information, go to:
www.nj.gov/pinelands
or <http://staff.bcc.edu/pines>

CLIP & RETURN

CLIP & RETURN

2011 PINELANDS SHORT COURSE REGISTRATION FORM

Register **ONE PERSON** per form. Please copy the form for additional registrants. **PLEASE PRINT CLEARLY.**

NAME _____	REGISTRATION: CHECK ONE
STREET ADDRESS _____	<input type="checkbox"/> Adult \$35 \$_____
CITY, STATE, ZIP _____	<input type="checkbox"/> Senior (65+) \$25 \$_____
CONTACT PHONE _____ E-MAIL ADDRESS _____	<input type="checkbox"/> Student \$20 \$_____
Enclose check, money order or purchase order payable to Burlington County College OR supply the following credit card information:	
<input type="checkbox"/> MasterCard <input type="checkbox"/> Visa <input type="checkbox"/> Discover <input type="checkbox"/> American Express	
Card # _____	<input type="checkbox"/> Regular Box Lunch \$10 \$_____
Card # Exp. Date _____ 3-Digit Security Code _____ ZIP Code _____	<input type="checkbox"/> Vegetarian Box Lunch \$10 \$_____
Card Holder's Name (please print clearly) _____	Total \$_____

FINAL REGISTRATION DEADLINE is Friday, March 18. EVENT is Saturday, March 26.

Please indicate your workshop preferences. **PLEASE LIST YOUR THREE TOP CHOICES FOR EACH PERIOD**, noting the course number in the appropriate time slot. Workshops will be assigned on a first-come, first-served basis. You will receive confirmation of your registration by mail.

**If you do not indicate second and third choices, they will be selected for you.*

Cancellation policy: NO REFUNDS

BRING YOUR OWN LUNCH or order a box lunch in regular or vegetarian styles for \$10

TIME	FIRST CHOICE	SECOND CHOICE	THIRD CHOICE
8:45 am to 9:45 am	Course #	Course #	Course #
10:00 am to 11:00 am	Course #	Course #	Course #
11:15 am to 12:15 pm	Course #	Course #	Course #
LUNCH	LUNCH	LUNCH	LUNCH
1:15 pm to 2:15 pm	Course #	Course #	Course #
2:30 pm to 3:30 pm	Course #	Course #	Course #

FOR OFFICE USE ONLY: Date received _____ Date Processed _____ SSID _____

WILDLIFE

NEW JERSEY'S BIODIVERSITY

Blaine Rothausen - Principal, BR Environmental, LLC

Why is the fourth smallest state in the nation ranked at the top in species diversity? Rothausen, a photographer and consultant, will emphasize the importance of New Jersey's rich natural heritage through a fascinating array of wildlife imagery in NJ's remote natural areas.

CFG 561 01 or CFG 561 02

BATS OF NEW JERSEY

Rick Dutko, Biologist

The Pinelands provide huge expanses of habitat for most of the nine species of bats known to live in NJ. You will learn bat biology, be able to identify which species occur in the state, and hear about the continuing challenges bats face in our densely-populated regions in the Pinelands.

CFG 545 01
GOT BATS? WANT BATS? TIPS FOR HOMEOWNERS

Rick Dutko

Would you vacate your home when an unwanted visitor appears in your house one night? Or would you mind more mouths to feed around your home (if those mouths fed exclusively on your pesky mosquitoes and gnats)? Love them or hate them, you'll learn some tips on how to deal with the "house" bats of the Pinelands.

CFG 568 01

PINELANDS FROGS AND TOADS

John Bunnell, Chief Scientist New Jersey Pinelands Commission

This presentation will cover the distribution, reproduction, habitat preferences, and vocalizations for the frog and toad species found in the largest stream system in the Pinelands: the Mullica River Basin.

CFG 423 01

PINELANDS FISH

John Bunnell

Streams and impoundments in the Pinelands support a unique assemblage of native fish species. This presentation will focus on the distribution, habitat preferences, and reproduction of these native species and also of non-native fish in the region and the Pinelands.

CFG 418 01

NEW! EELS: PAST AND PRESENT

Melanie Reding, Education Coordinator, Jacques Cousteau Reserve (JCNERR) and Dr. Mark Sullivan, Richard Stockton College of New Jersey

Discover the American Eel, and its fascinating life history. Explore its movements from the Sargasso Sea to the Pine Barrens and back to the sea. Gain a better understanding of this unique creature and protect it for future generations.

CFG 556 01 or CFG 556 02

NEW! NJ LANDSCAPE PROJECT

Patrick Woerner and Peter Winkler, GIS Specialists with NJ Div. of Fish and Wildlife Endangered and Nongame Species Program

Learn how the NJDEP Division of Fish and Wildlife's Geographic Information System (GIS) is used to map endangered and threatened wildlife habitat throughout New Jersey. Participants will have a "hands-on" opportunity to use GIS to access habitat maps for threatened and endangered wildlife species.

CFG 563 01 or 563 02

THREATENED AND ENDANGERED SNAKES OF THE NJ PINE BARRENS

Matthew P. McCort, Herpetologist/Wildlife Ecologist

A discussion of the history and conservation of northern pine snakes, corn snakes, and timber rattlesnakes in the NJ Pine Barrens.

CFG 487 01 or CFG 487 02

NEW! NJ OSPREY PROJECT

Ben Wurst, Conserve Wildlife of New Jersey

During the past 5 summers, Ben Wurst has surveyed hundreds of nests, banded many

young and installed over 65 nest platforms. He will discuss the project history, life history of the osprey, recovery efforts and current monitoring methods.

CFG 529 01 or CFG 529 02

PINELANDS BIRD ECOLOGY

Emile DeVito, Ph.D., Director of Conservation and Biology for the New Jersey Conservation Foundation

The focus is on Pine Barrens Songbirds that overwinter in Neotropical areas.

CFG 526 01

PLANT LIFE

A TALE OF TWO CEDARS

Terry O'Leary, Education Coordinator, New Jersey Forest Service

Did you ever wonder about the similarities and differences between Eastern Red Cedar and Atlantic White Cedar? Explore the habitats, identifying characteristics, growth habits, traditional and current uses and wildlife benefits of these two native trees found in the Pinelands.

CFG 557 01

NEW! RAIN GARDEN SITE

SELECTION, INSTALLATION, AND PLANTS

Mike Haberland, Rutgers Cooperative Extension of Burlington and Camden Counties

A rain garden is a landscaped, shallow depression that is designed to capture, treat, and infiltrate stormwater at the source before it becomes runoff. This workshop will detail the water quality and quantity benefits of rain gardens, and teach site selection, installation, maintenance, and native plant selection.

CFG 566 01

NEW! DOES A "GREEN PLAGUE"

THREATEN THE PINELANDS?

Louise Wootton, Ph.D. Georgian Court University

Invasive plants are increasingly becoming a problem in the Pinelands habitat. Learn about which invasive plant species are of particular concern, and examine the factors that can increase or decrease the susceptibility of this area to invasion.

CFG 519 01 or CFG 519 02

NEW! THE HIDDEN WORLD OF PLANTS AND POLLINATORS

Jennifer Bulava, Naturalist, Burlington County Division of Parks

This presentation focuses on the incredible ways in which plants communicate with animals. Learn amazing strategies of plants, the colors that pollinators see, and ways in which both plants and animals can help or deceive each other. Discover a world that is more complex and fascinating than one ever imagined.

CFG 560 01

SECRETS OF PINELANDS PLANTS

Millicent Moore

This program will detail relationships and reproductive strategies of Pinelands plants, as well as their historical and contemporary uses for medicine and other purposes.

CFG 549 01

ECOLOGICAL FORESTRY TO

CONSERVE NATIVE VEGETATION AND RARE SPECIES

Andy Windisch, Ph.D. NJDEP, Parks and Forestry

"Ecological Forestry" concepts will be explored within the context of the New Jersey Pinelands ecosystem, focusing on several globally rare, fire-dependent vegetation types of the central Pinelands.

CFG 553 01 or CFG 553 02

LAND USE/RECREATION

A PHOTOGRAPHIC JOURNEY THROUGH THE NJ PINELANDS

Jennifer Bulava, Burlington County Division of Parks

This presentation is entirely photographic, illustrating the landscapes, animals and plants found throughout the Pinelands National Reserve. Highlighting preserved open spaces, learn where parks are located, and tips for

visiting and photographing them from the perspective of an ecologist.

BIRDING BOTANY AND CANOEING IN THE NEW JERSEY PINELANDS

Michael Hogan

Learn about locations in the Pinelands to bird, canoe, botanize and photograph. Presentation will include State Forests, NJDEP wildlife management areas and New Jersey Conservation Foundation properties.

CFG 546 01

STREAM ASSESSMENT

Michael Hogan

Learn to visually assess the health of a stream by using the USDA's "Stream Visual Assessment Protocol." We will also cover macro invertebrate assessments. This workshop will be a double session, with one session in the classroom and another assessing a portion of the Rancocas Creek on BCC's property.

CFG 532 01

NEW! BUILDING AND INSTALLING A RAIN BARREL FOR YOUR HOME

Mike Haberland

This presentation details water conservation and step-by-step instructions to build a rain barrel using a plastic, food-grade 55-gallon drum and parts from the local hardware store. Home installation also will be presented.

CFG 558 01

NEW! EDWIN B. FORSYTHE

NATIONAL WILDLIFE REFUGE

Brian Braudis, Deputy Project Leader, Forsythe National Wildlife Refuge

Discover what the Edwin B. Forsythe National Wildlife Refuge has to offer the casual visitor, the serious naturalist and the curious wanderer.

CFG 536 01 or CFG 536 02

NEW! PINELANDS WEATHER AND

CLIMATE: PAST, PRESENT AND FUTURE

Dr. David A. Robinson, New Jersey State Climatologist

Issues of global climate variability, climate change and capabilities to monitor NJ's weather and climate will be discussed.

CFG 559 01 or CFG 559 02

NEW! GO SOLAR! IT MAKES SENSE

FOR THE ENVIRONMENT

AND YOUR FINANCES

Nathaniel Kirby, Solar Energy System Owner and Consultant

Tired of rising energy costs and dependence on non-renewable energy sources? Learn how solar energy is a possible solution to your problems. Presenting the practical aspects of installing a solar energy system, the finances of going solar and the government programs that will help pay for it. Bring your questions and electric bills for comparison.

CFG 564 01 or CFG 564 02

NEW! ECOSYSTEM GARDENING

FOR WILDLIFE

Carol Brown

Brown will discuss how to use the Five Pillars of Ecosystem Gardening to conserve natural resources and garden sustainably, creating a welcoming habitat for wildlife.

CFG 552 01 or CFG 552 02

NEW! WILD NEW JERSEY: NATURE

ADVENTURES IN THE GARDEN STATE

David Wheeler, author, "Wild New Jersey: Nature Adventures in the Garden State"

A presentation covering the author's year spent exploring New Jersey. Discussions will include the role of fire in creating Pinelands habitats, the species that depend on it, the endemic vegetation of the Pinelands, recreation opportunities like canoeing and kayaking and the wildlife sightings that may have advanced the legend of the Jersey Devil.

CFG 562 01 or CFG 562 02

HISTORY/CULTURE

PINEY LIFESTYLES

Brenda Conner

Ever wonder what a "Piney" really is? This question and more will be answered as experiences are shared from growing up with old-time

Pineys.

Learn about the relationship these folks have with the Pine Barrens and the personality they have given to the region and why the Piney culture is now disappearing.

NEW! BLUEBERRY BEGINNINGS

Brenda Conner

Brenda will take you through the blueberry's rise from a wild berry gathered by the local Native Americans and Pineys to a thriving international industry. This presentation is loaded with local history and sprinkled with family stories that give the audience the full flavor of the blueberry industry.

CFG 425 01 or CFG 425 02

NEW! THE STILL FAMILY: A PINELANDS STORY OF SURVIVAL, SERVICE AND SUCCESS

Joe Laufer, Burlington County Historian

This illustrated lecture provides an overview of one of the most famous African-American families of Burlington County: the Still Family. Dr. James Still, "the Black Doctor of the Pines," became a highly successful medical practitioner. Brothers William, a leader in the Underground Railroad movement in Philadelphia, and Peter, whose story of survival is monumental, are also discussed. Laufer uses Dr. Still's autobiography, "Early Recollections and Life of Dr. James Still," as his guide for the story of this inspirational family.

CFG 551 01 or CFG 551 02

CEDAR BRIDGE TAVERN UPDATE

Tim Hart, Esq., Division Director of the Ocean County Cultural and Heritage Commission

Hart will highlight the preservation efforts to stabilize the last remnants of this "ghost town," possibly the site of the last documented land engagement of the American War for Independence.

CFG 415 01 or CFG 415 02

DISCOVERING WILDERNESS SURVIVAL

Matt Abatelli, Program Director - Children of the Earth Foundation

This lively presentation will be based on Tom Brown Jr., a notable author and tracker. Participants will learn about nature awareness and how to survive in the Pines, including the basics of shelter, water, food, and fire. This will include a hands-on demonstration of how to make fire.

CFG 547 01 or CFG 547 02

DOUBLE TROUBLE: CEDAR SWAMPS TO CRANBERRY BOGS AND BACK AGAIN

Andrew Anderson, NJ Division of Parks & Forestry

Double Trouble has a long history that dates back to the Colonial era when prized Atlantic White Cedar was milled for shipbuilding, siding, shipping crates, boxes, and roofing for buildings. Learn about a new industry that emerged during the Civil War and why the village has such a unique name.

CFG 514 01 or CFG 514 02

LENAPE LIVING

William Guthrie, Ph.D.

Guthrie's presentation will focus on everyday living in the days before the "European invasion." Food gathering/preparation, shelter, clothing, games, and stories will be brought to life through artifacts/materials and demonstrations.

CFG 554 01 or CFG 554 02

NEW! WHO WERE THE FENWICKS OF FENWICK MANOR?

Millicent Moore

Fenwick Manor was the childhood home of the "Blueberry Queen" of Whitesbog, Elizabeth White. Elizabeth's maternal ancestors were Fenwicks, but who were the Fenwicks? This presentation will reveal some surprising answers.

CFG 567 01

NEW! UNCOVERING THE PAST: A PHOTOGRAPHIC PEEK BACK IN TIME

Karen F. Riley

Travel back in time to view ghost towns, abandoned buildings and the world's 8th tallest structure during a unique peek into the past. Learn about the earliest industries in the Pine Barrens as you view photographs dating back to the late 1800's; many from private collections.

CFG 548 01 or CFG 548 02

**NEW! BURLINGTON COUNTY
RAIL HISTORY**

Pemberton Township Historic Trust
The Pemberton Township Historic Trust will present a one-hour program detailing the vital role played by the railroad in the survival and growth of Burlington County and the Pinelands.
CFG 569 01

**NEW! THE LAST PINE BARRENS
CHARCOAL MAKERS**

Ted Gordon, Pine Barrens Historian
This presentation reveals how charcoal was made by the last two colliers in the Pines: Herbert Payne of Whiting in Ocean County and George Crummel of Jenkins Neck in Burlington County.
CFG 510 01 or CFG 510 02

MUSICAL

Bad Dogz
The band is comprised of seasoned players mixing in Celtic themes with Bluegrass. A powerful earthy voice and incredible bass help deliver a unique sound. Bluegrass music is fun to play and listen to and the Dogz keep it that way.
CFG 565 01 or CFG 565 02

**TUNES AND TALES OF THE PINELANDS
Valerie Vaughn**

A multi-talented musician and educator from Tuckerton, NJ, Vaughn specializes in writing tunes with New Jersey themes, covering folklore and the history of the people and places of South Jersey.
CFG 490 01 or CFG 490 02

OFF-SITE/FIELD TRIPS

Field Trip participants need to provide their own transportation to locations. Driving directions will be provided.

**NEW! RANCOCAS CREEK CANOE
ECO-TOUR**
Wells Mills County Park, Ocean County
Department of Parks and Recreation

LIMITED AVAILABILITY! A 3.3-mile paddle down the Rancocas Creek will offer an opportunity to observe and learn about a variety of Pinelands plant and animal species. Canoes, paddles and life jackets will be provided. Participants should have some canoeing experience and be able to negotiate bends in the river. Due to cooler water temperatures, a complete change of clothing in a waterproof bag is recommended.
CFG 542 01

**NEW! STEP BACK IN TIME AT
WHITESBOG VILLAGE**

Whitesbog Preservation Trust
Enjoy a living history tour of historic Whitesbog Village by wagon. Meet Elizabeth White, Charles Beckwith, Dr. Colville and relive a time in history. Experience and discover the significance the lifestyle of the people who lived in this long-standing agricultural company town had in the cranberry and blueberry industry.
CFG 541 01 or CFG 541 02

**NORTH PEMBERTON RAILROAD STATION
MUSEUM AND RAIL TRAIL**

Pemberton Township Historic Trust
Visit the museum for a conducted tour of the railroad station, grounds, and rail cars. Learn about the station's history and enjoy the many artifacts on display. Journey back to a simpler time as the tour concludes with a 1.5-mile wagon ride on our beautiful rail trail.
CFG 543 01

**EXPLORING THE FRANKLIN
PARKER PRESERVE**

Enjoy a leisurely two-hour guided walk on the New Jersey Conservation Foundation's Franklin Parker Preserve in Chatsworth. Enjoy a variety of wildlife, scenic vistas, and a close-up look at one of the largest wetland restoration projects on the east coast. Sturdy shoes, drinking water and binoculars are recommended.
CFG 454 01

2011 PINELANDS SHORT COURSE			7:30 to 8:15 am REGISTRATION	
8:45 am-9:45 am	10:00 am-11:00 am	11:15 am-12:15 pm	1:15 pm-2:15 pm	2:30 pm-3:30 pm
Photographic Journey CFG 555 01	Pinelands Weather & Climate CFG 559 01	Ecosystem Gardening for Wildlife CFG 552 01	Pinelands Weather and Climate CFG 559 02	Ecosystem Gardening for Wildlife CFG 552 02
Professional credits are available to New Jersey teachers			Bad Dogz CFG 565 01	Bad Dogz CFG 565 02
Still Family CFG 551 01	Green Plague CFG 519 01	Still Family CFG 551 02	Green Plague CFG 519 02	Got Bats? CFG 568 01
NJ Osprey Project CFG 529 01	Eels: Past and Present CFG 556 01	Bats of New Jersey CFG 545 01	NJ Osprey Project CFG 529 02	Eels: Past and Present CFG 556 02
Birding, Botany and Canoeing CFG 546 01	Pinelands and Toads CFG 423 01	New Jersey's Biodiversity CFG 561 01	Pinelands Fish CFG 418 01	New Jersey's Biodiversity CFG 561 02
Uncle the Last CFG 548 01	Forsythe Wildlife Refuge CFG 536 01	Uncle the Last CFG 548 02	Forsythe Wildlife Refuge CFG 536 02	Courses fill quickly
Special pricing for students	Burlington Rail History CFG 569 01	Go CFG 564 01	Plant Pollinators CFG 560 01	Go CFG 564 02
Discovering Wilderness Survival CFG 547 01	Programs for everyone	Discovering Wilderness Survival CFG 547 02	Pinelands Bird Ecology CFG 526 01	
Secret Pinelands CFG 549 01	Wild New Jersey CFG 562 01	Who Were the Fenwicks? CFG 567 01	Wild New Jersey CFG 562 02	Discounts for senior citizens
Blueberry Beginnings CFG 425 01	Lenape Living CFG 554 01	Piney Lifestyles CFG 508 01	Lenape Living CFG 554 02	Blueberry Beginnings CFG 425 02
Cedar Bridge Tavern CFG 415 01	Double Trouble CFG 514 01	Cedar Bridge Tavern CFG 415 02	Double Trouble CFG 514 02	Plan to attend next year's course
Threatened and Endangered Snakes CFG 487 01	Ecological Forestry CFG 553 01	Threatened and Endangered Snakes CFG 487 02	Ecological Forestry CFG 553 02	
Order your lunch or pack one from home	Charcoal Makers CFG 510 01	Tunes and Tales CFG 490 01	Charcoal Makers CFG 510 02	Tunes and Tales CFG 490 02
Rain CFG 558 01	Register early for the best course selection	Rain CFG 566 01	Stream Assessment CFG 532 01	
NJ Landscape Project CFG 563 01		NJ Landscape Project CFG 563 02	What kind of programs would you like to see next year? Offer your suggestions for future courses	
A Taste of Two CFG 557 01		Standard and vegetarian lunches available		
			Closed	Rancocas Creek Canoe CFG 542 01
NEW! Whitesbog Village Living History CFG 541 01			NEW! Whitesbog Village Living History CFG 541 02	
Field Trip participants need to provide their own transportation to locations. Driving directions will be provided.			North Pemberton Train Station CFG 543 01	
			Exploring the Franklin Parker Preserve CFG 454 01	

12:15 pm-1:05 pm LUNCH in Parker Center cafeteria or around the campus